

Title (en)
A PROCESS FOR REACTIVE DISTILLATION OF A CARBOXYLIC ACID

Title (de)
VERFAHREN ZUR REAKTIVEN DESTILLATION EINER CARBONSÄURE

Title (fr)
PROCEDE DE DISTILLATION REACTIVE D'UN ACIDE CARBOXYLIQUE

Publication
EP 1989168 A1 20081112 (EN)

Application
EP 07712319 A 20070226

Priority

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Abstract (en)
[origin: US2007203358A1] A process for reactive distillation wherein a carboxylic acid is reacted in a reaction section of a reactive distillation column with an alcohol under esterifying conditions in the presence of a catalyst to form an ester, wherein a first supply stream comprising the carboxylic acid, a second supply stream comprising the alcohol and a third supply stream comprising an inert entrainer are supplied to the reactive distillation column, wherein the first supply stream is supplied to the column at a first entry level located just above or at the top of the reaction section, the second supply stream is supplied to the column at a second entry level located in or just below the reaction section and below the first entry level, and the third supply stream is supplied to the column at a third entry level located in or below the reaction section and not above the second entry level and wherein a bottom stream comprising the ester formed and unreacted carboxylic acid is obtained and a top stream comprising unreacted alcohol, water and entrainer is obtained.

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